

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



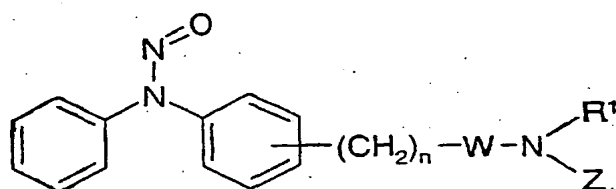
(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/076406 A1

- (51) International Patent Classification⁷: C07D 213/75, C07C 243/06, C07D 295/12, C07C 237/40, C07D 213/76, 453/02, A61K 31/44, 31/13, 31/15, A61P 39/06, C07D 233/54, 207/09, 213/40, 239/42
- (21) International Application Number: PCT/EP03/01370
- (22) International Filing Date: 12 February 2003 (12.02.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 02/03025 11 March 2002 (11.03.2002) FR
- (71) Applicant (for all designated States except US): MERCK PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LARDY, Claude [FR/FR]; 84, boulevard Ambroise Paré, F-69008 Lyon (FR). FESTAL, Didier [FR/FR]; Les Baronnie, 2, rue Pierre Baronnie, F-69130 Ecully (FR). CAPUTO, Lidia [FR/FR]; 60, boulevard des Belges, F-69006 Lyon (FR). GUERRIER, Daniel [FR/FR]; 35C, route de Charly, F-69230 Saint Genis Laval (FR).
- (74) Common Representative: MERCK PATENT GMBH; Frankfurter Strasse 250, 64293 Darmstadt (DE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NITROSODIPHENYLAMINE DERIVATIVES AND THEIR PHARMACEUTICAL USE AGAINST OXIDATIVE STRESS PATHOLOGIES



(I)

(57) Abstract: Compounds of formula (I) in which each of the phenyl rings represented is optionally substituted one or more times; n represents an integer selected from 0, 1, 2, 3, 4 and 5; W represents -CO- or -SO₂-; Z represents H; alkyl; aryl; or arylalkyl; R₁ represents any monovalent organic group; and the

pharmaceutically acceptable salts thereof, can be used in the treatment of pathologies that are characterized by an oxidative stress condition.

WO 03/076406 A1